

Title (en)
NANOVESICLES DERIVED FROM BACTERIA OF GENUS ROTHIA, AND USE THEREOF

Title (de)
NANOVESIKEL AUS BAKTERIEN DER GATTUNG ROTHIA UND DEREN VERWENDUNG

Title (fr)
NANOVÉSICULES ISSUES DE BACTÉRIES DU GENRE ROTHIA ET LEUR UTILISATION

Publication
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Application
EP 20756679 A 20200204

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Abstract (en)
[origin: EP3926054A1] The present invention relates to vesicles derived from bacteria of the genus Rothia and a use thereof. The inventors experimentally confirmed that the vesicles significantly decreased in a clinical sample obtained from a patient with diabetes, atrial fibrillation, cardiomyopathy, liver cancer, cirrhosis, dementia, depression, Parkinson's disease, and atopic dermatitis, compared with a normal individual, and when the vesicles isolated from the strain were administered, the secretion of inflammation mediators caused by pathogenic vesicles such as E. coli-derived vesicles was considerably inhibited, and vesicles derived from bacteria of the genus Rothia significantly inhibit cranial nerve cell damage caused by stress hormones, and therefore, the vesicles derived from bacteria of the genus Rothia according to the present invention may be effectively used to develop a method of diagnosing diabetes, atrial fibrillation, cardiomyopathy, liver cancer, cirrhosis, dementia, depression, Parkinson's disease, and atopic dermatitis, and a composition for preventing or treating diabetes, cardiovascular diseases, liver disease, a cranial nerve disease, and an inflammatory disease.

IPC 8 full level
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Citation (search report)
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• [XP] WO 2019051380 A1 20190314 - EVELO BIOSCIENCES INC [US]
• [Y] KR 20190003359 A 20190109 - MD HEALTHCARE INC [KR]
• [Y] KR 101944665 B1 20190201
• See references of WO 2020166868A1

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